

Fig. 1  
(Prior Art)

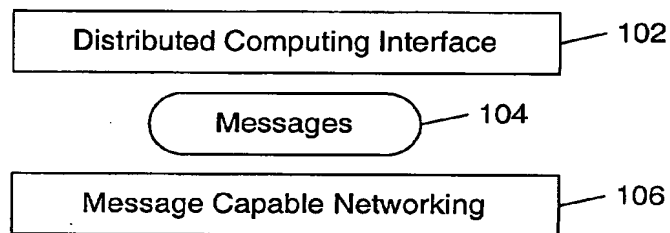


Fig. 2

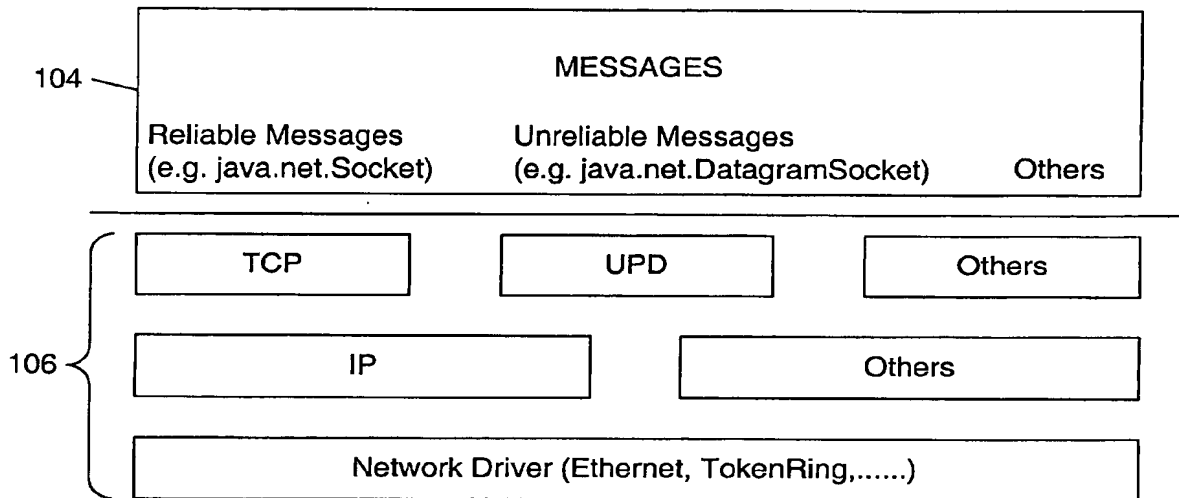


Fig. 3

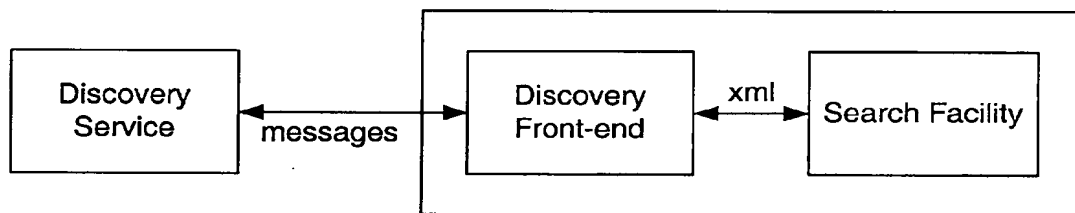


Fig. 4

**Fig. 5**

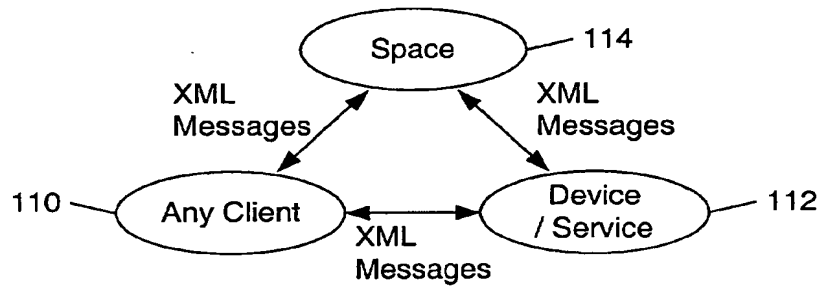


Fig. 6

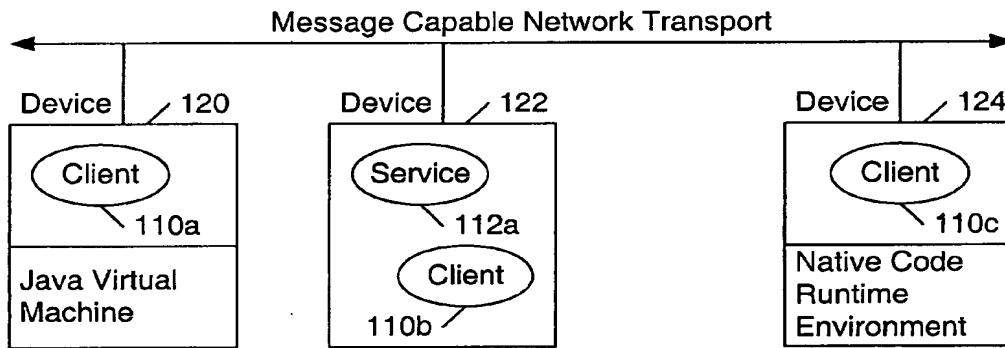


Fig. 7



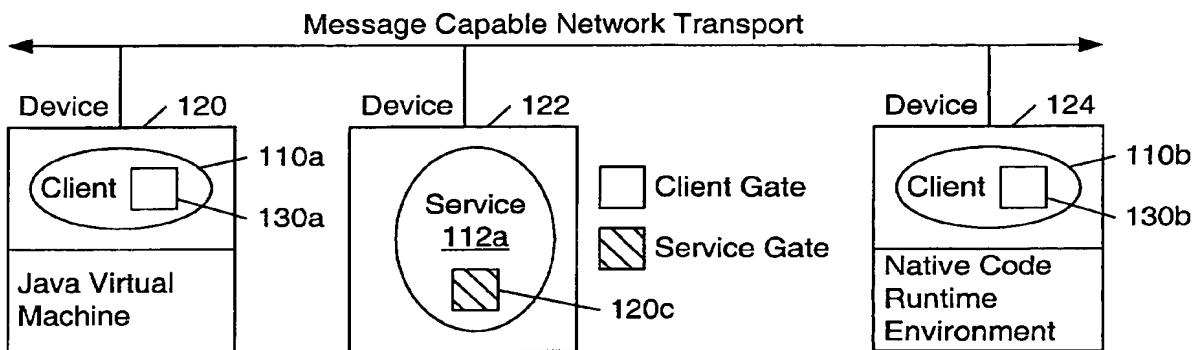


Fig. 10a

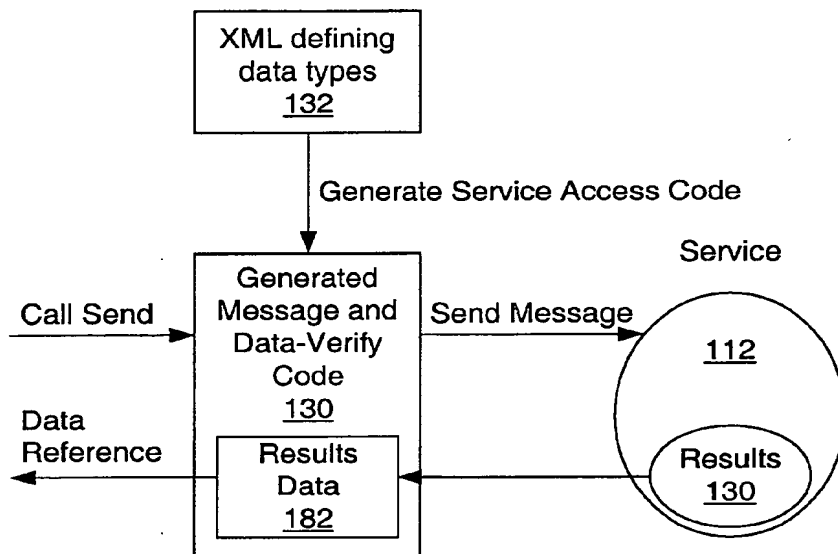


Fig. 10b

# Case Study

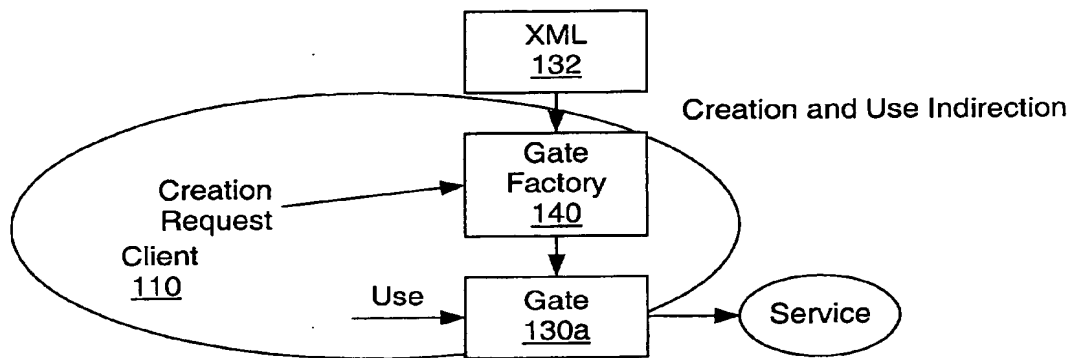


Fig. 11a

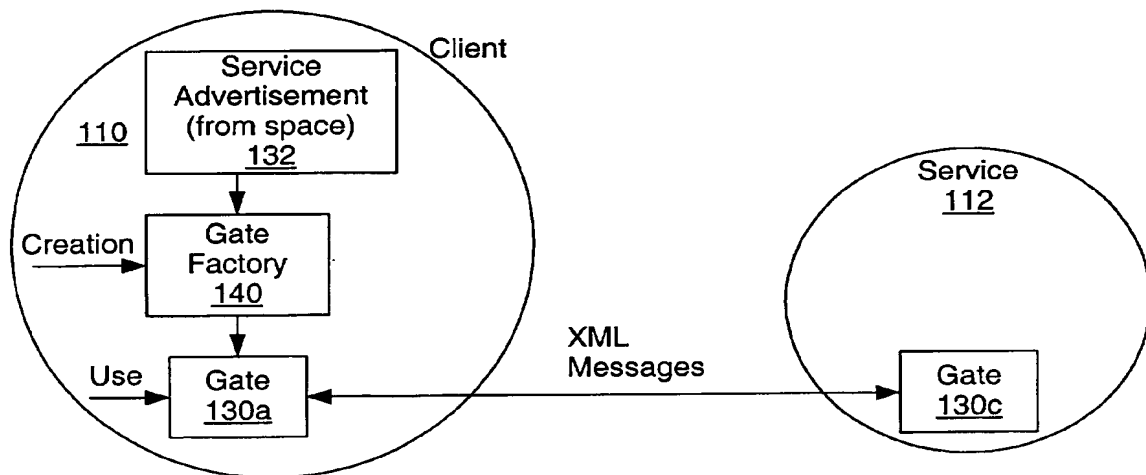


Fig. 11b

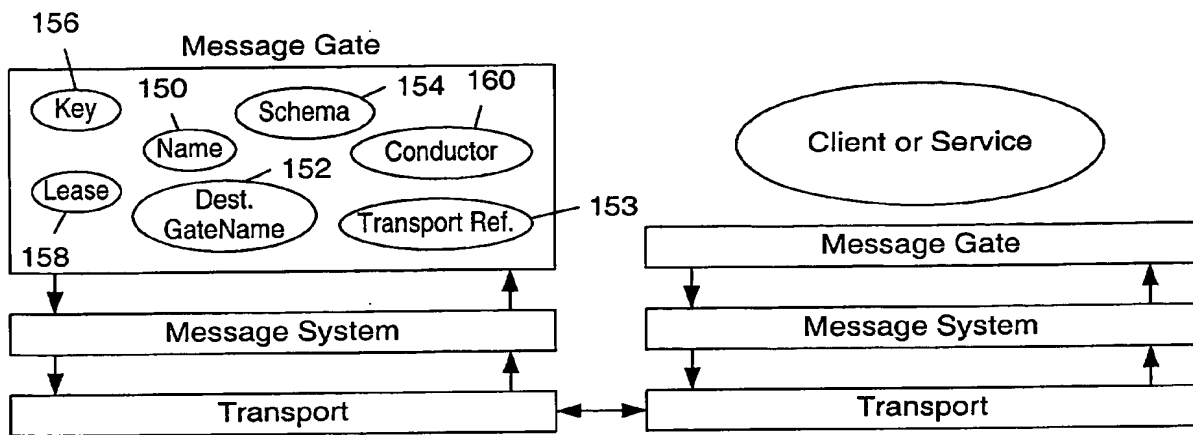


Fig. 12

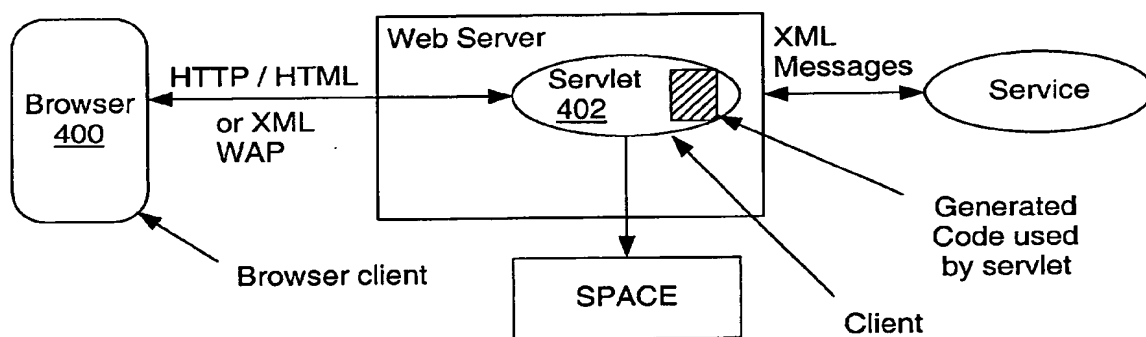


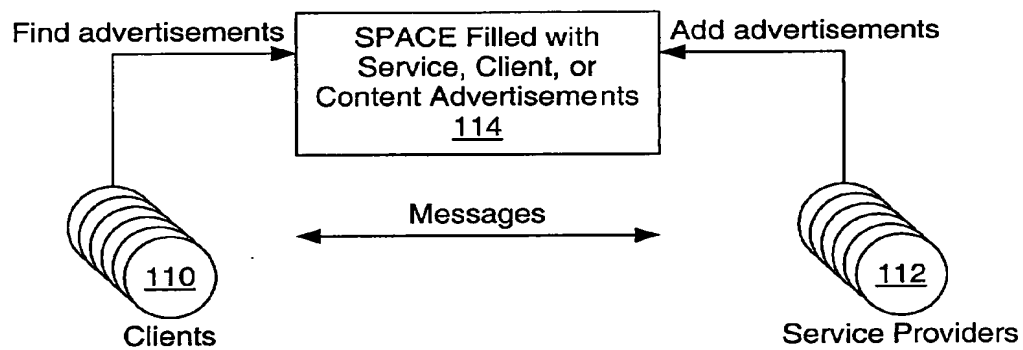
Fig. 13



```
graph TD; 170[XML defining method interface 170] -- "Generate Service Access Code" --> 172[Generated Simple Method Code 172]; 172 -- "Call Method" --> 176((Client Application 176)); 176 -- "Generated Proxy Reference" --> 178[Results Proxy (Generated) 178]; 178 -- "Send Message" --> 180((Service 180)); 180 -- "Send Results URL" --> 178;
```

The diagram illustrates the system architecture. At the top, a box labeled "XML defining method interface 170" has a downward arrow labeled "Generate Service Access Code" pointing to a box labeled "Generated Simple Method Code 172". This box contains a sub-box labeled "Results Proxy (Generated) 178". To the left, an oval labeled "Client Application 176" has an arrow labeled "Call Method" pointing to the "Generated Simple Method Code 172" box. From the "Generated Simple Method Code 172" box, an arrow labeled "Send Message" points to a large oval on the right labeled "Service 180". Inside the "Service 180" oval is a smaller oval labeled "Results 180". An arrow labeled "Send Results URL" points from the "Results 180" oval back to the "Results Proxy (Generated) 178" box. Additionally, an arrow labeled "Generated Proxy Reference" points from the "Results Proxy (Generated) 178" box back to the "Client Application 176" oval.

Fig. 14



**Fig. 15**

```
graph LR; Input(( )) -- 1 --> Drafted((Drafted)); Drafted -- 2 --> Published((Published)); Published -- 3 --> Persistent((Persistent)); Persistent -- 4 --> Published; Published -- 5 --> Drafted;
```

Fig. 17

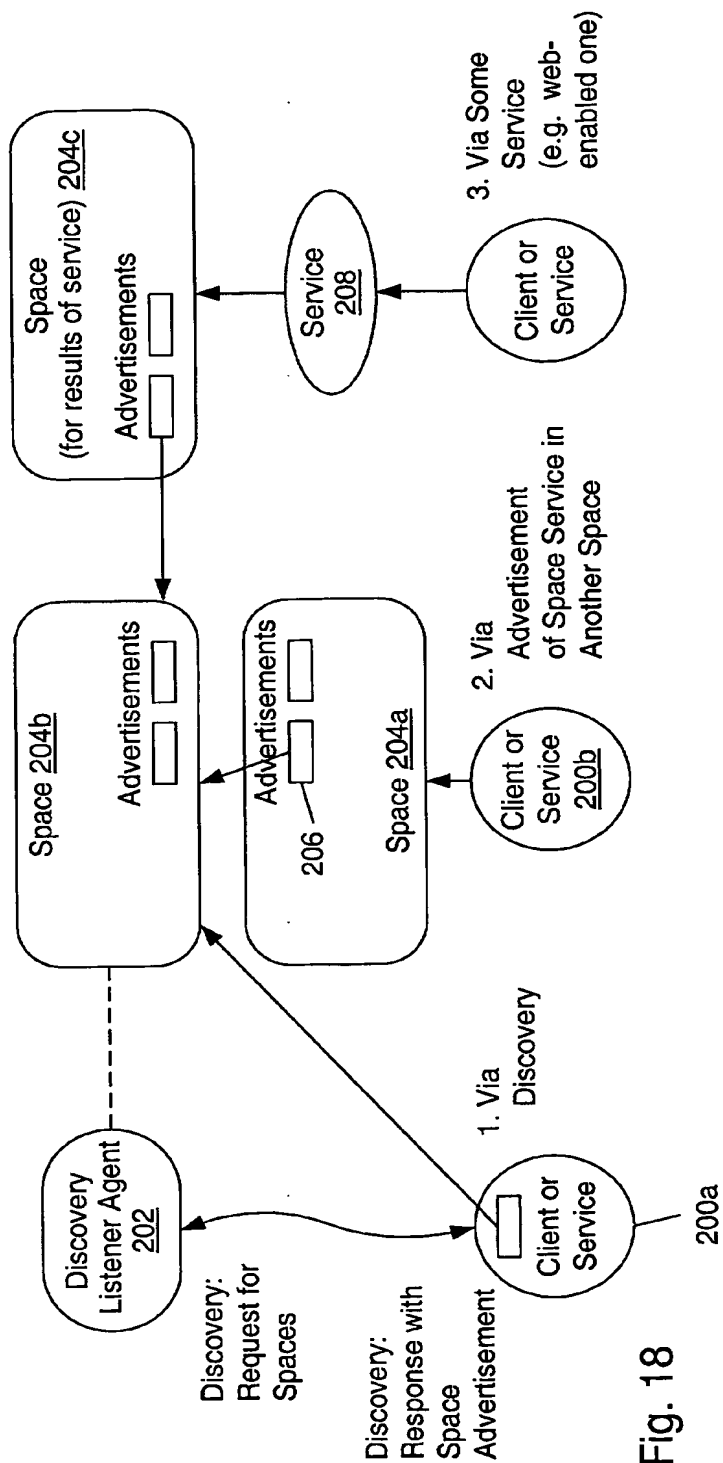


Fig. 18

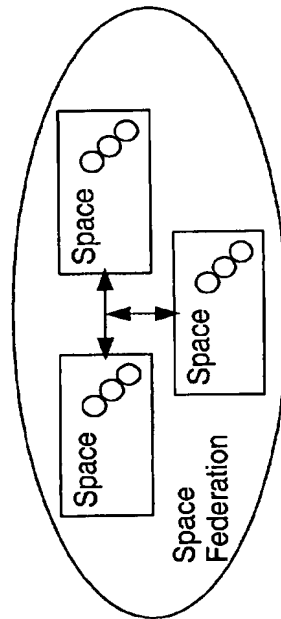


Fig. 19

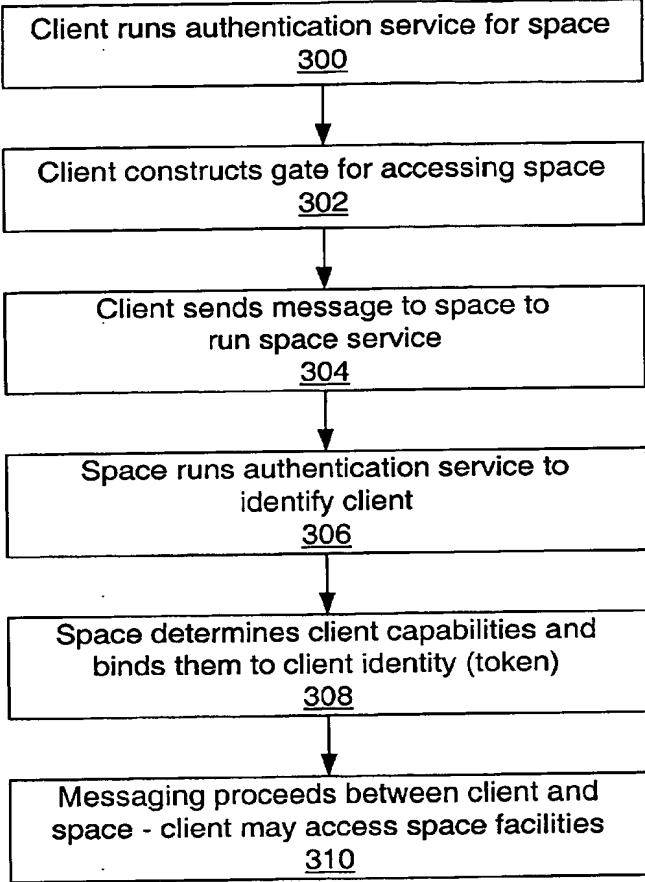
[illegible]

Fig. 20

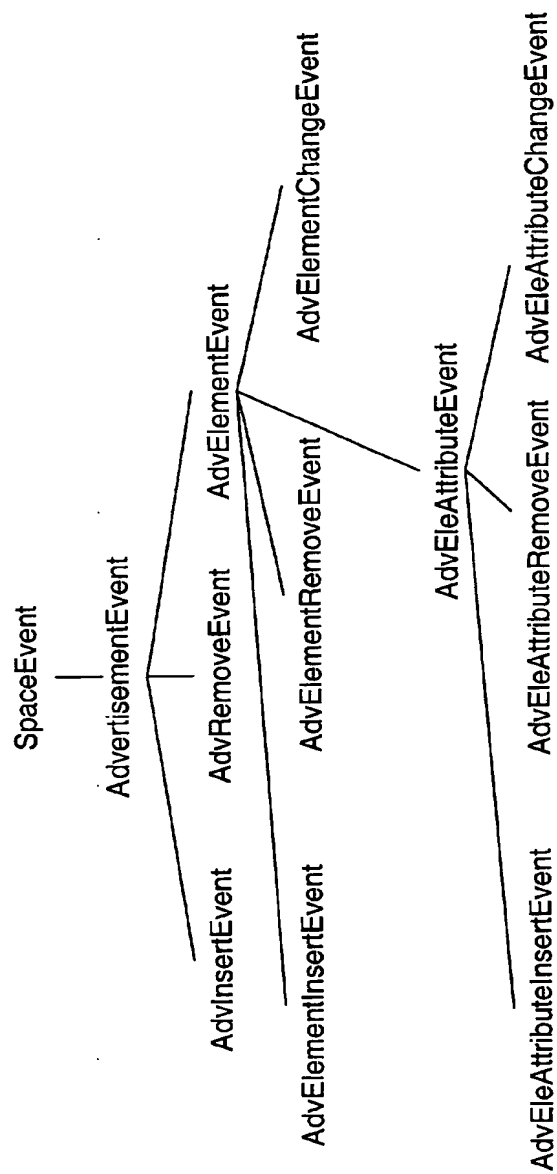


Fig. 21

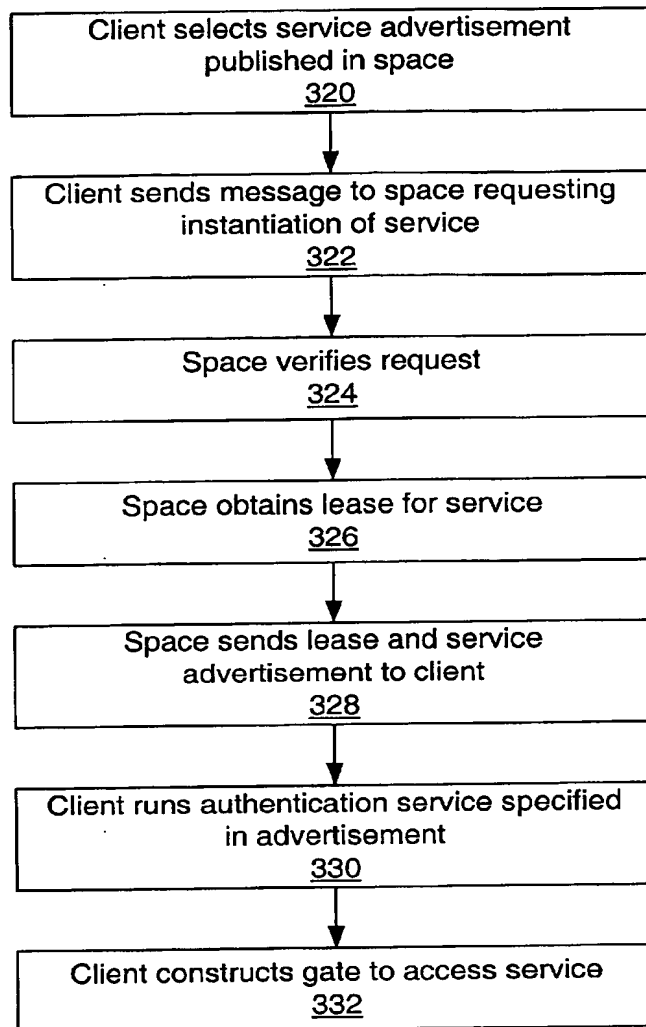
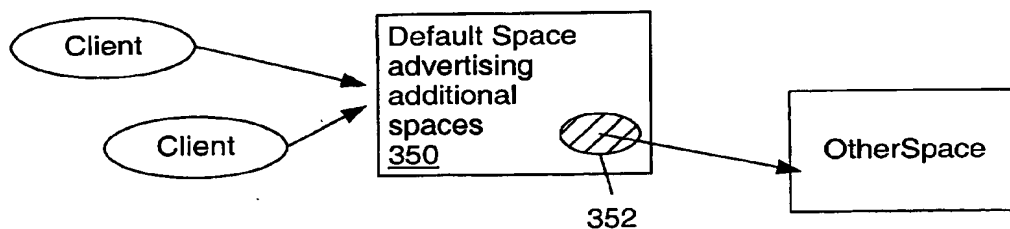
[illegible]

Fig. 22



**Fig. 23**



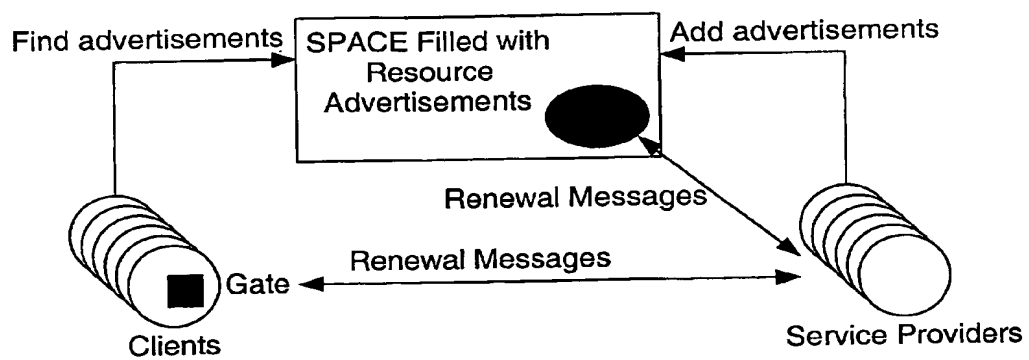


Fig. 25



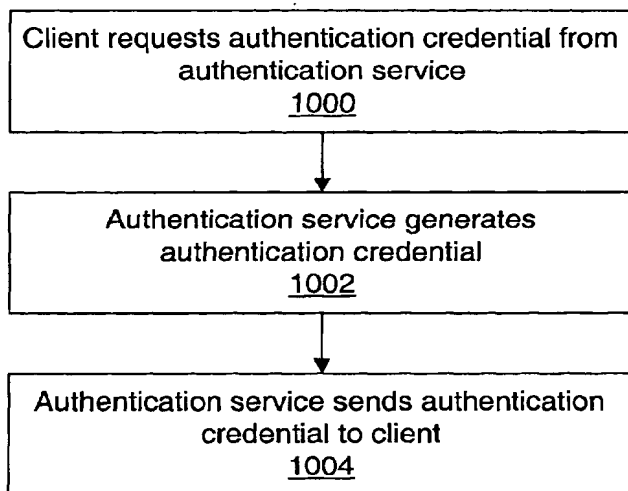


FIG. 26a

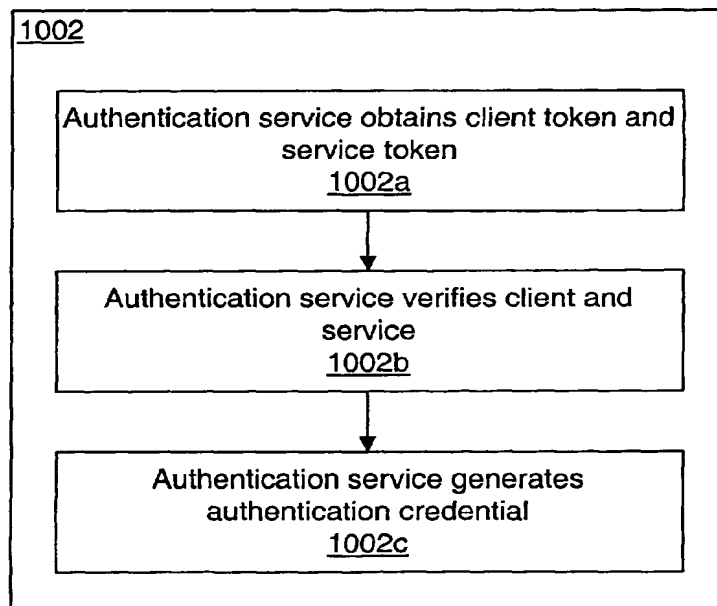


FIG. 26b

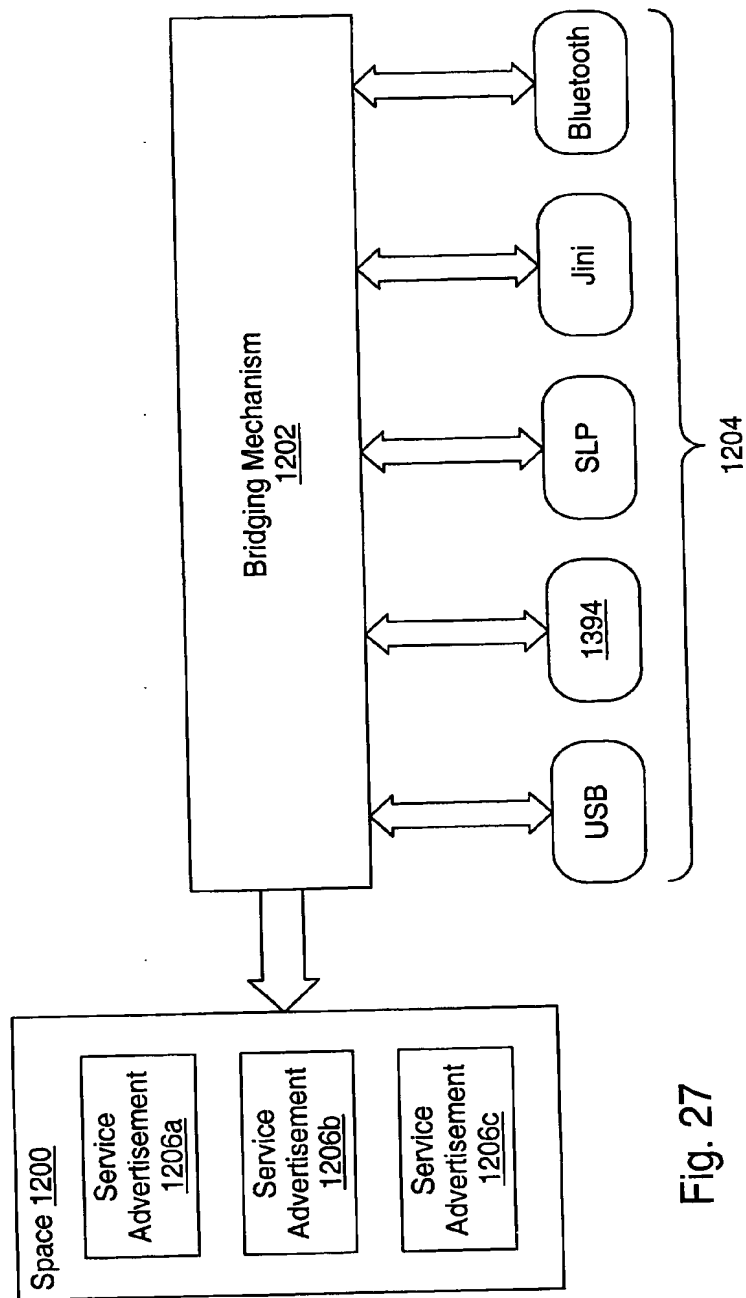


Fig. 27

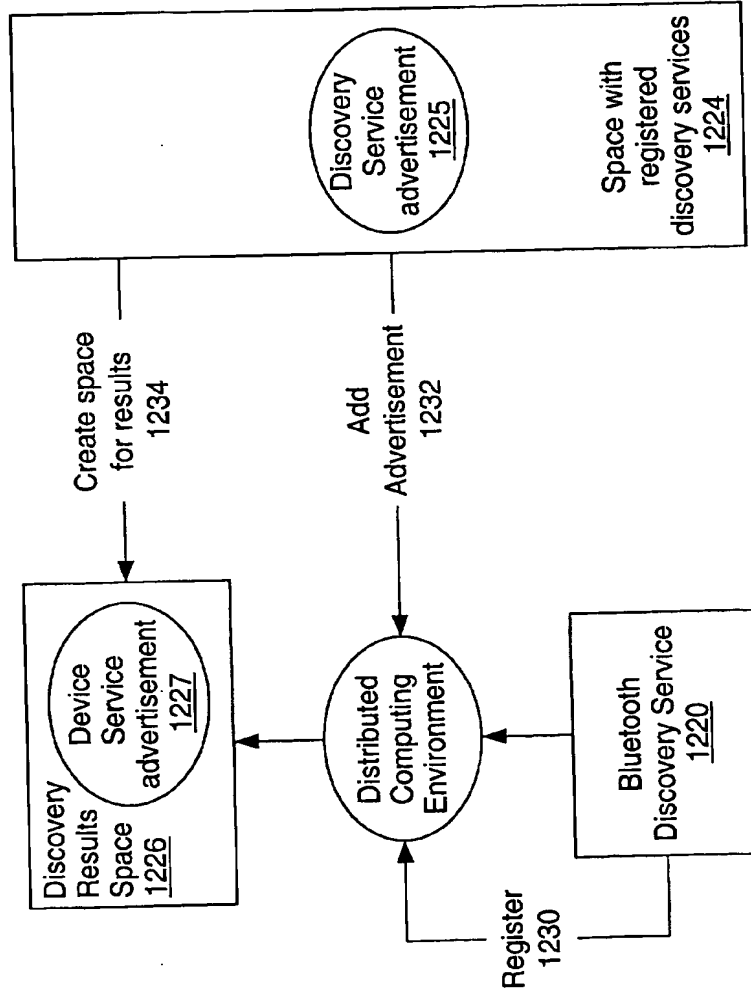


Fig. 28

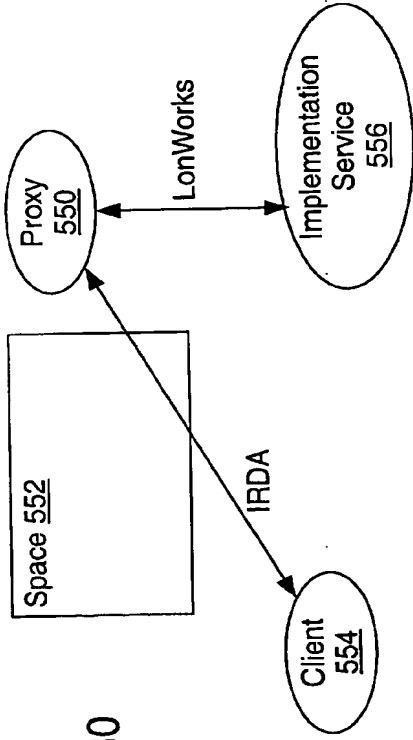


Fig. 30

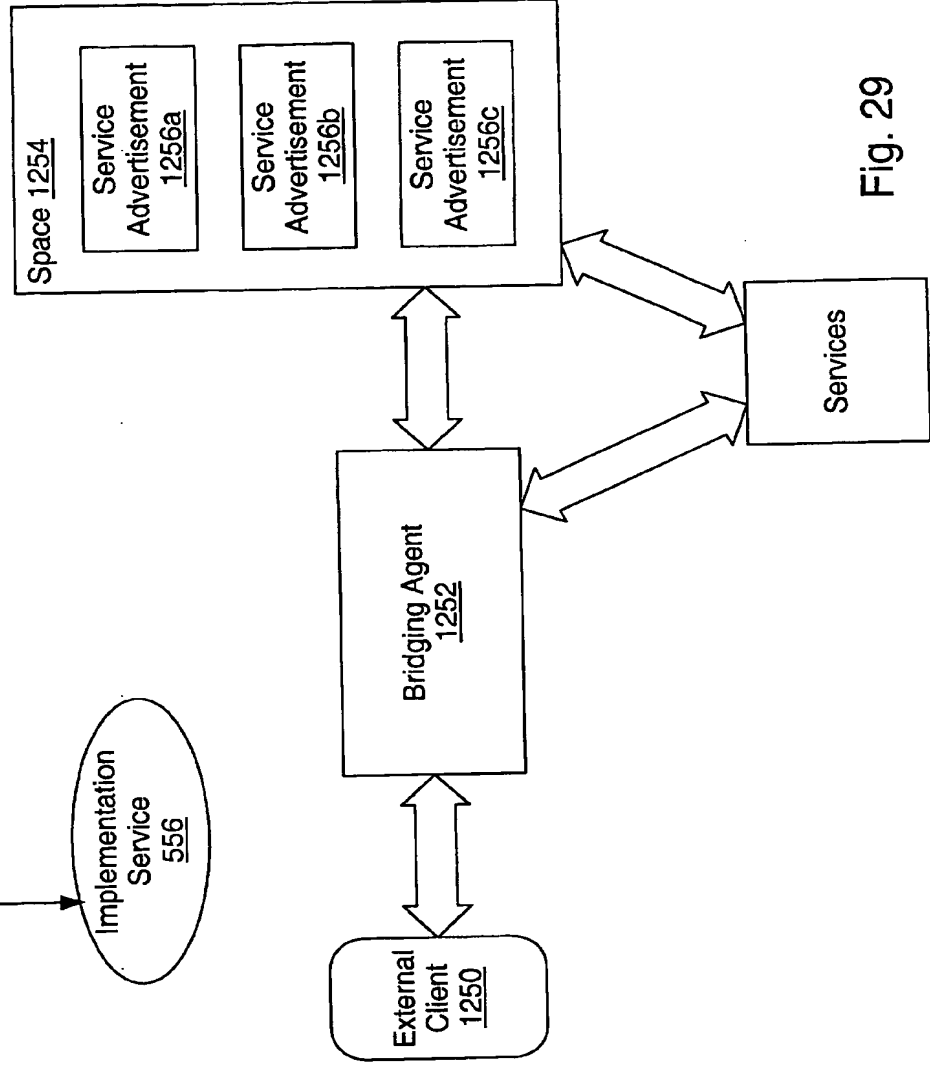
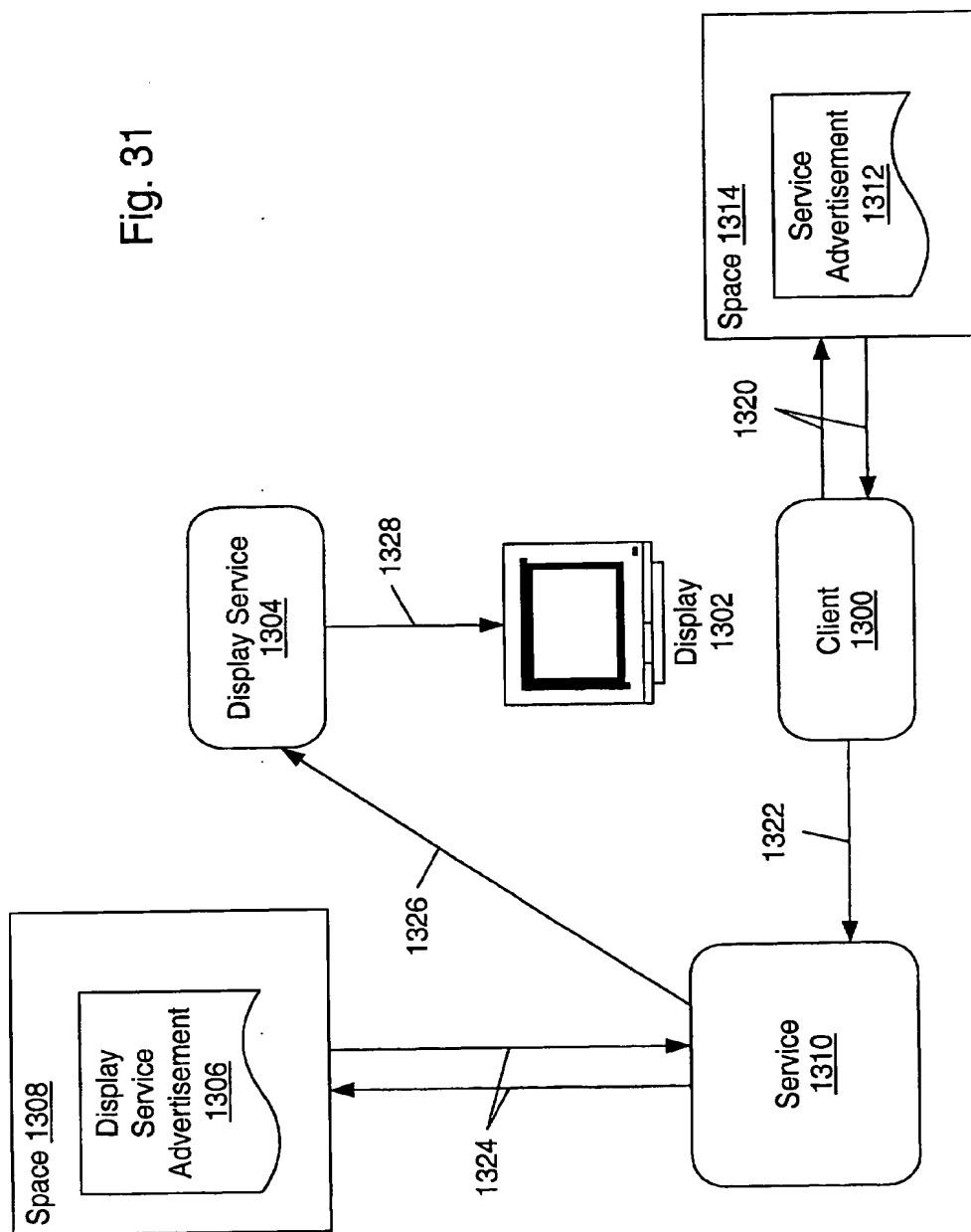


Fig. 29

**Fig. 31**



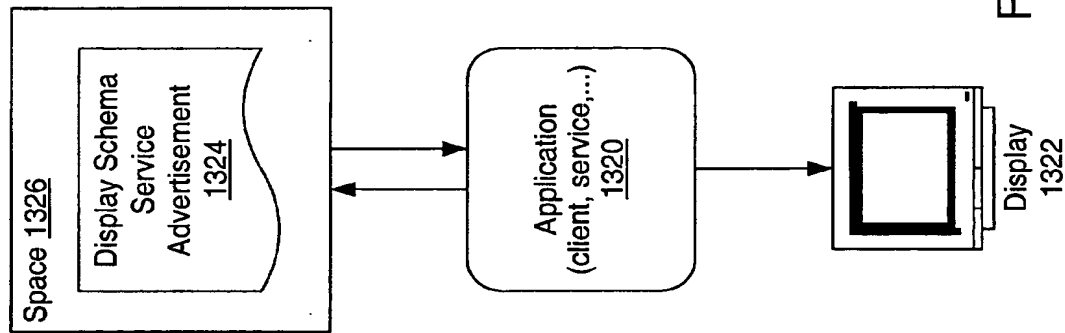


Fig. 32A

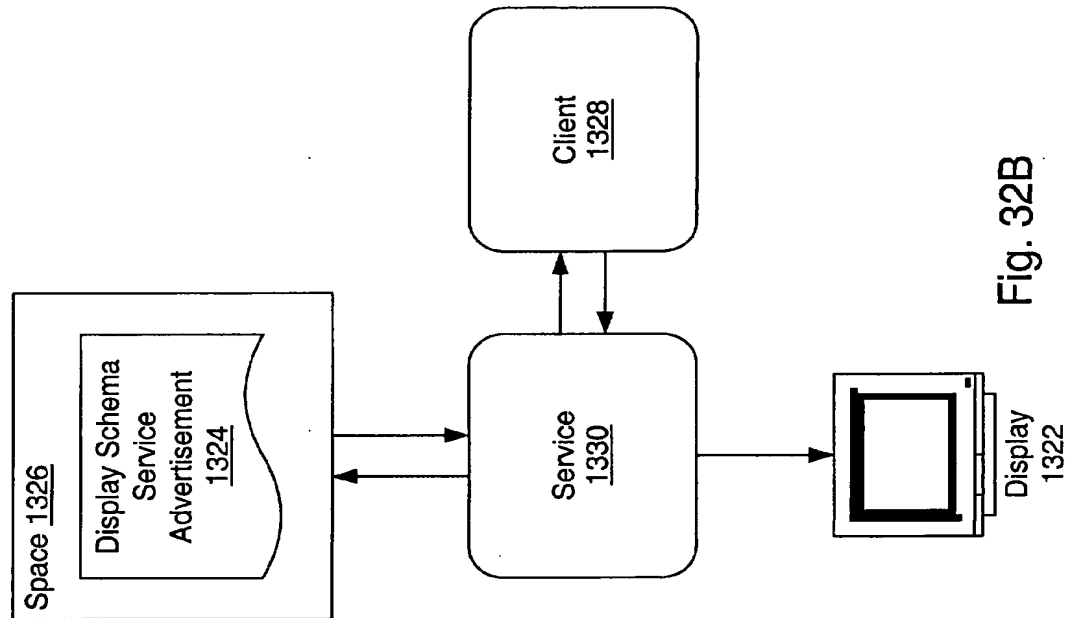
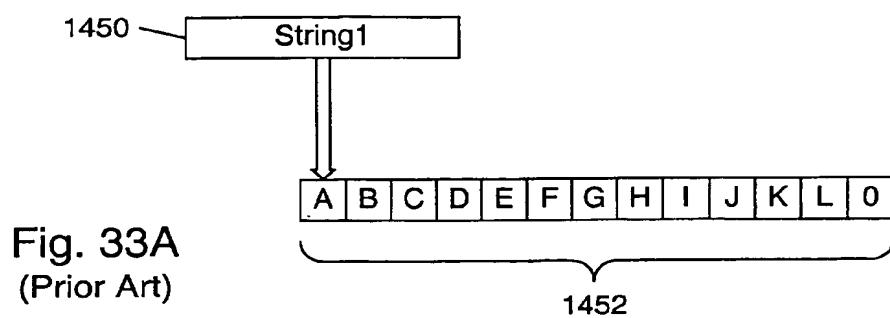
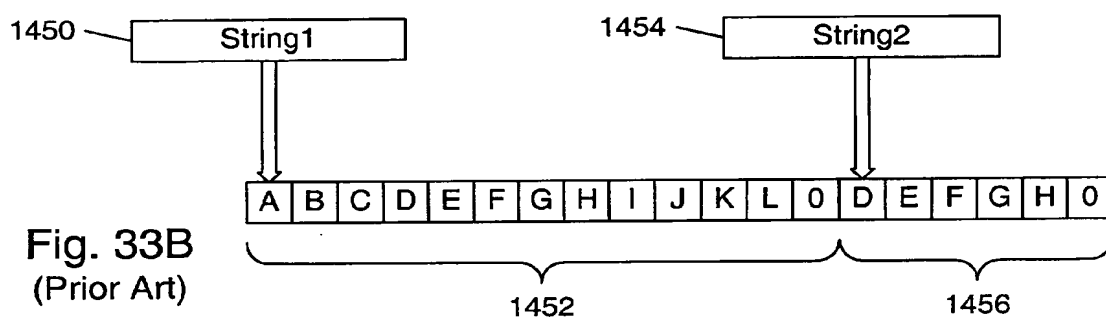


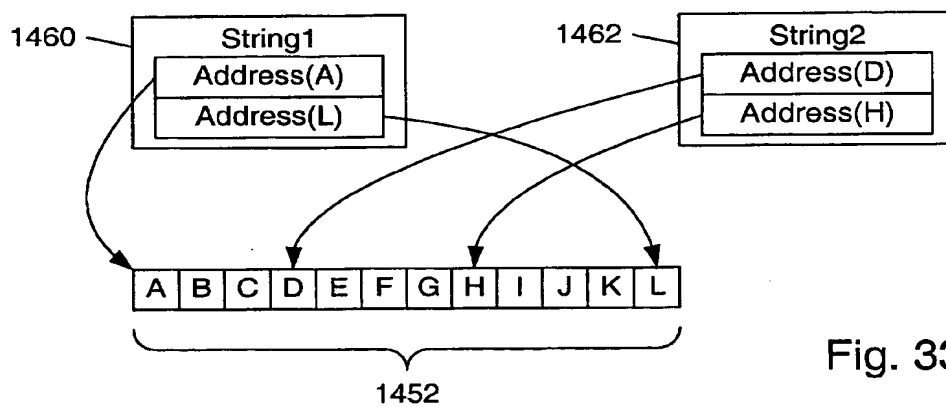
Fig. 32B



**Fig. 33A**  
(Prior Art)



**Fig. 33B**  
(Prior Art)



**Fig. 33C**

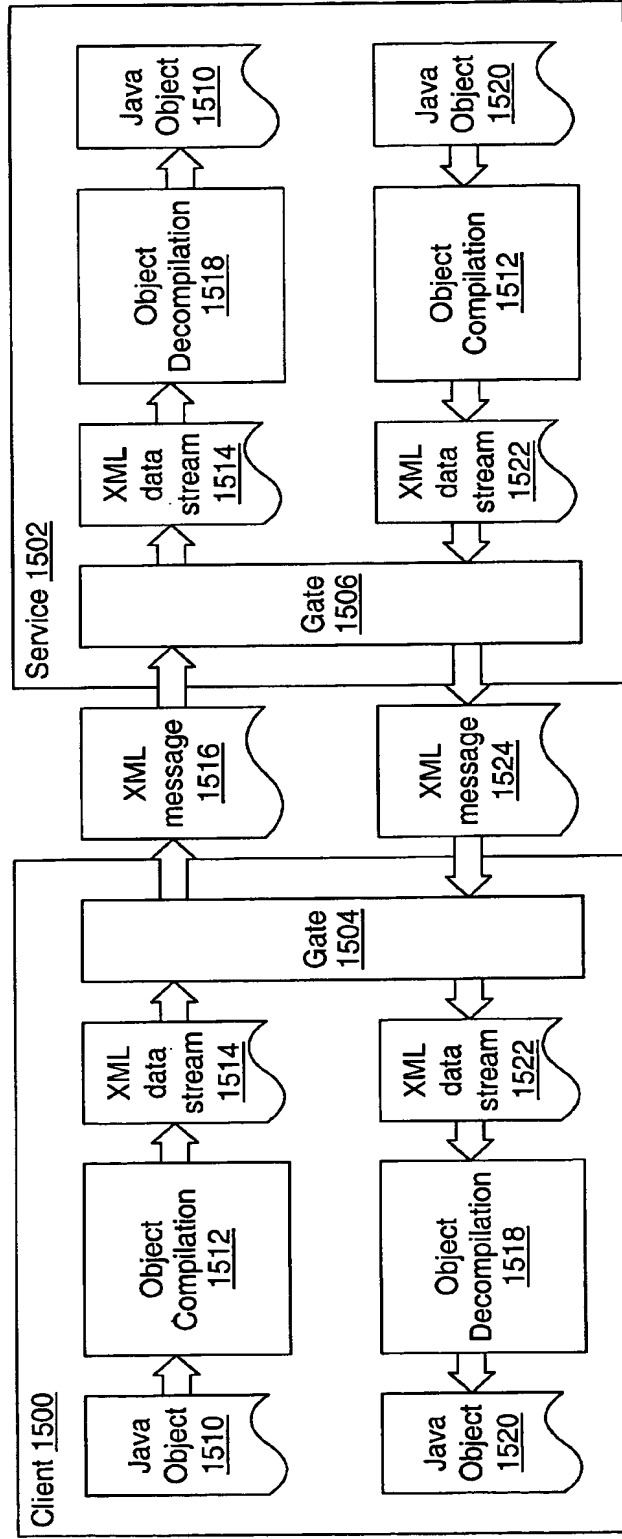


Fig. 34



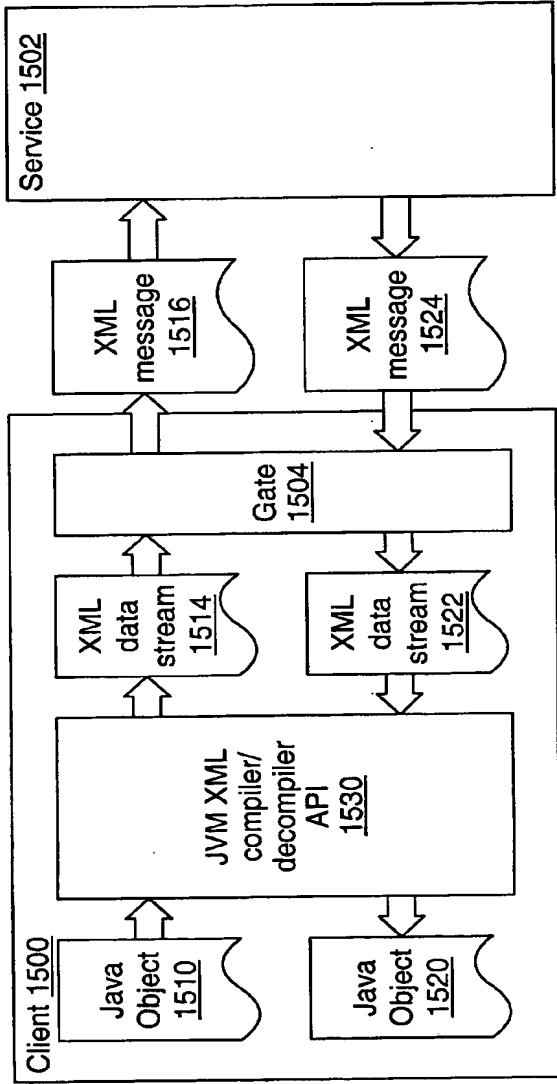


Fig. 35a

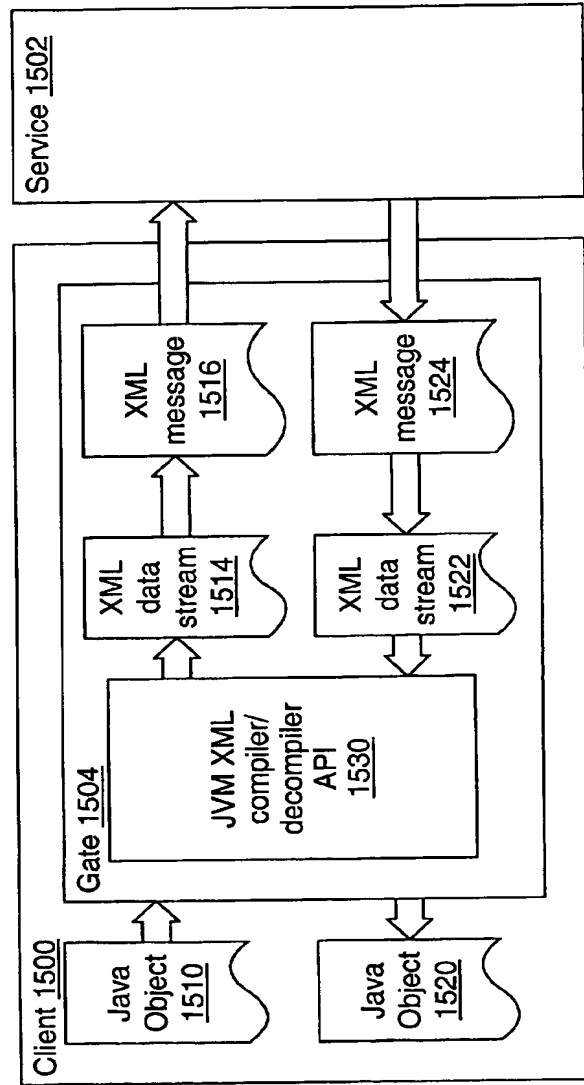


Fig. 35b

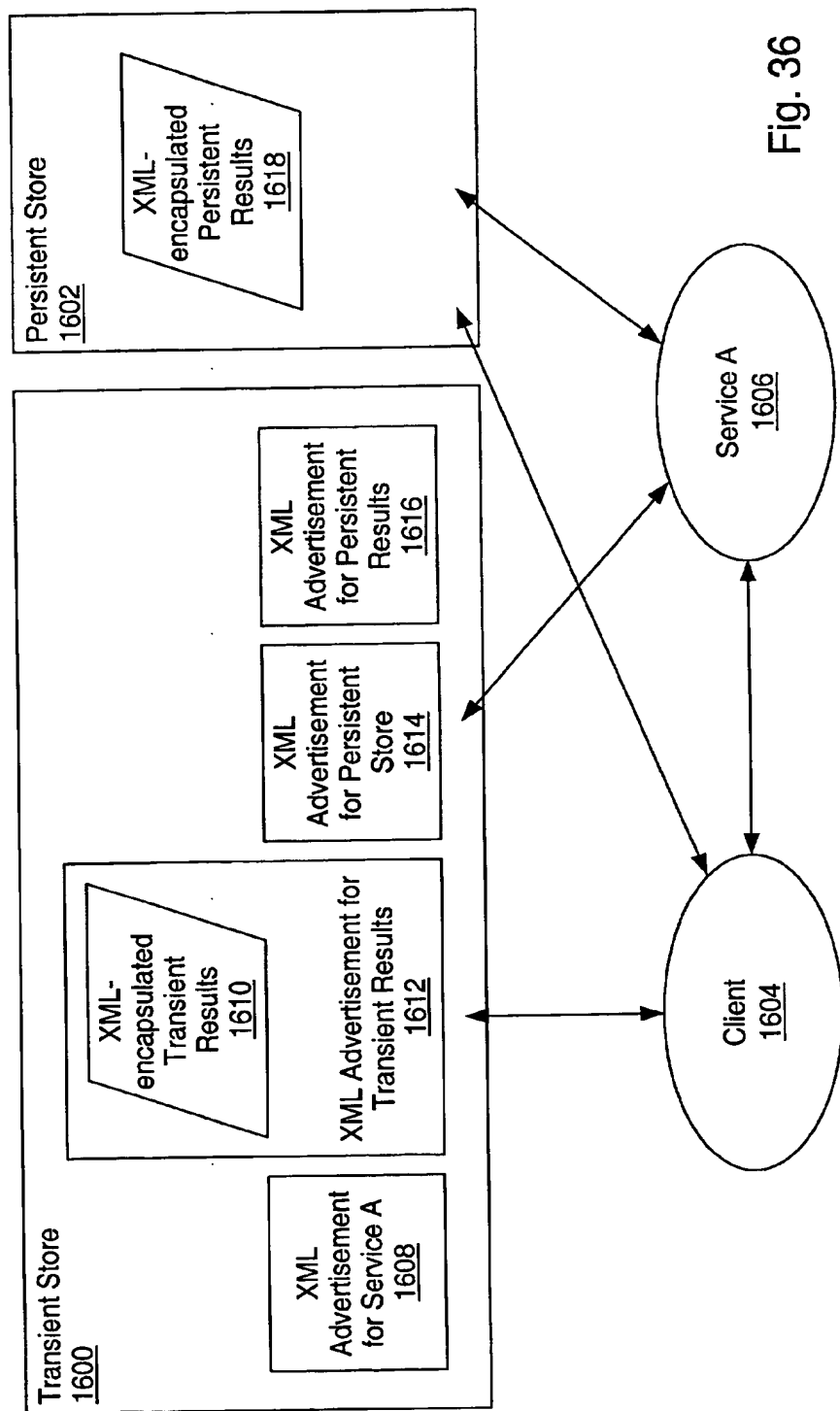


Fig. 36

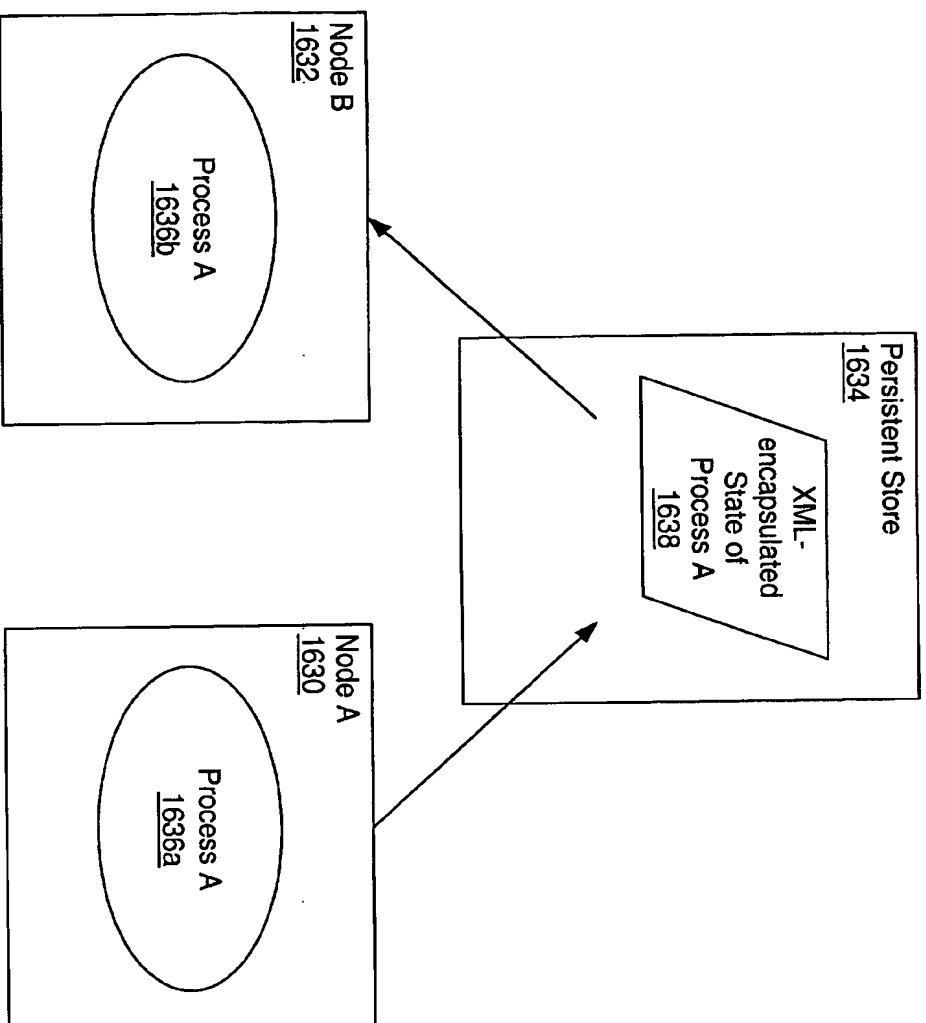


Fig. 37

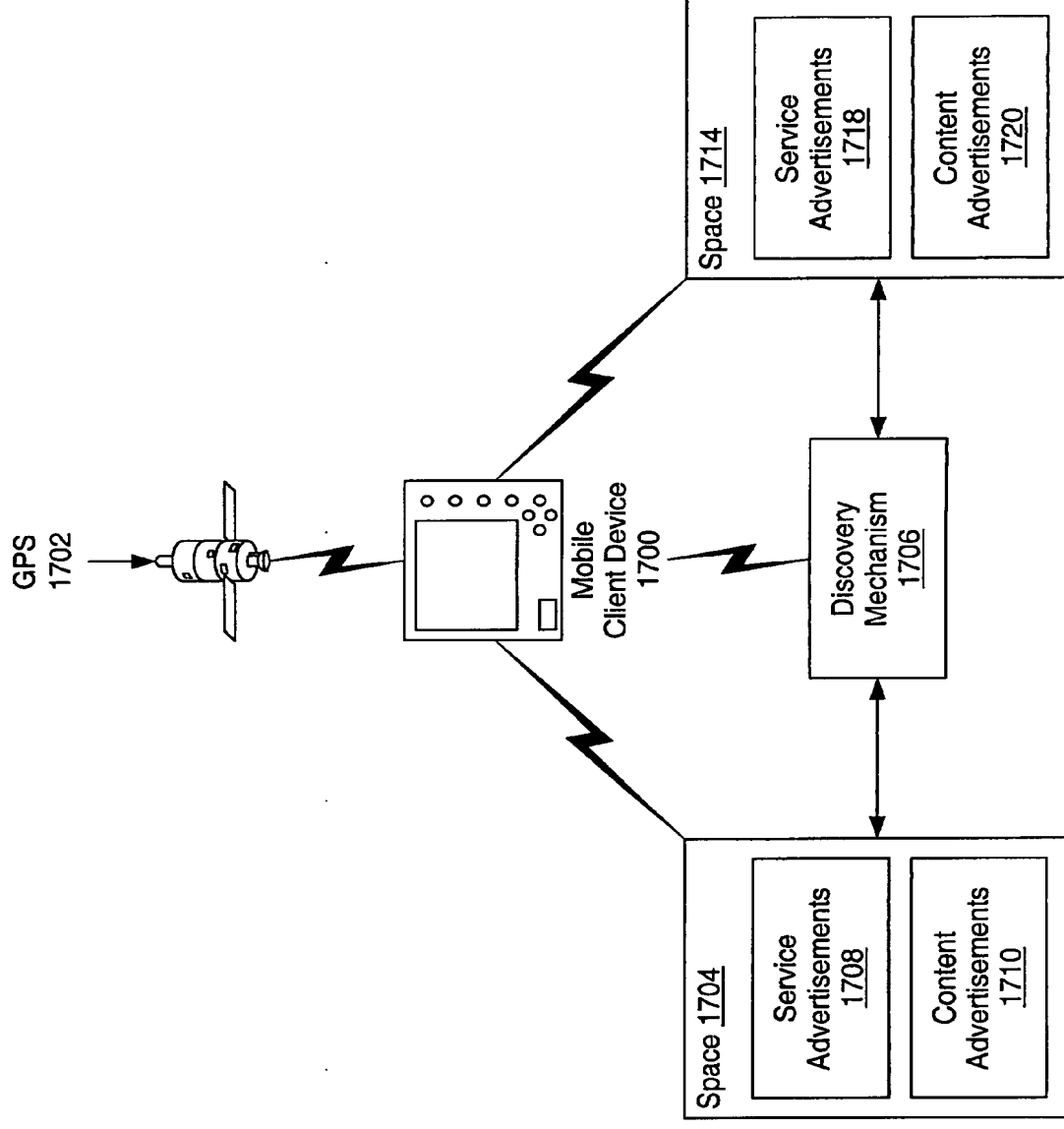


Fig. 38

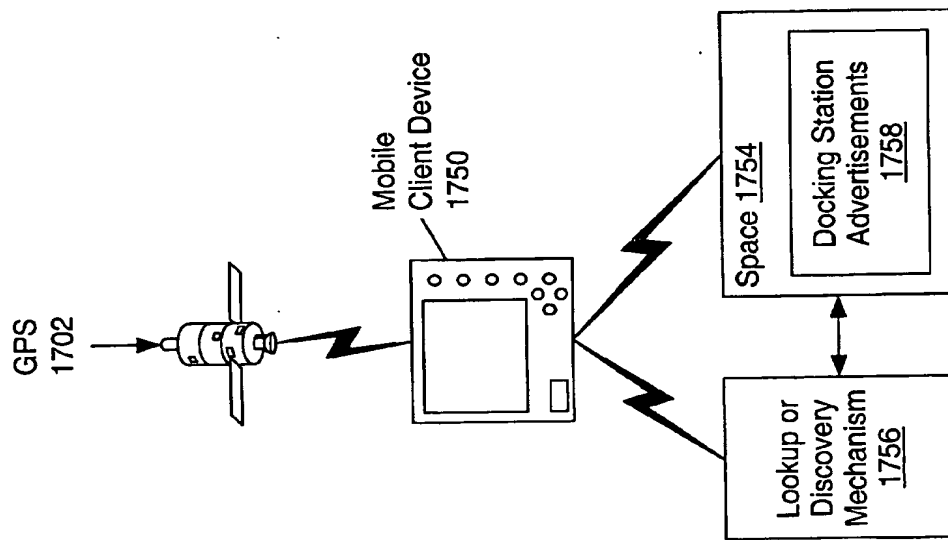


Fig. 39a

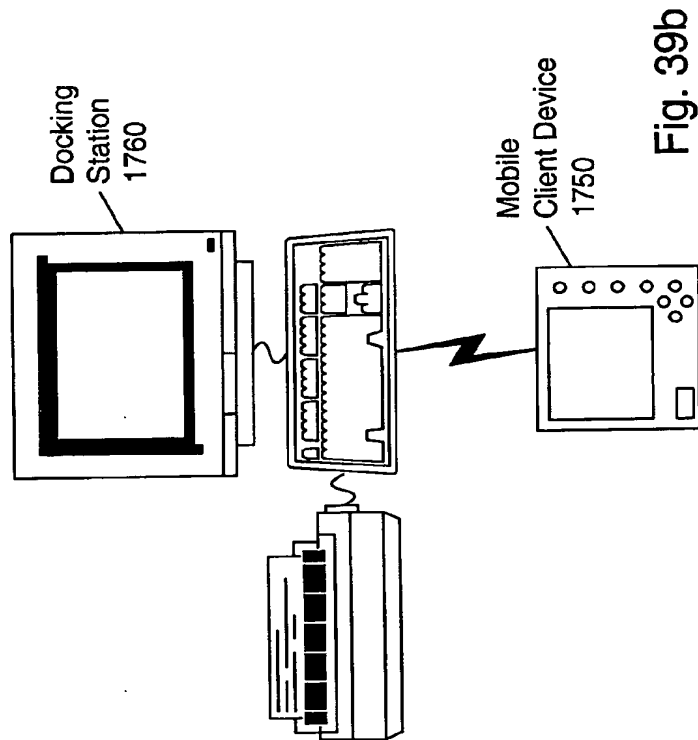


Fig. 39b

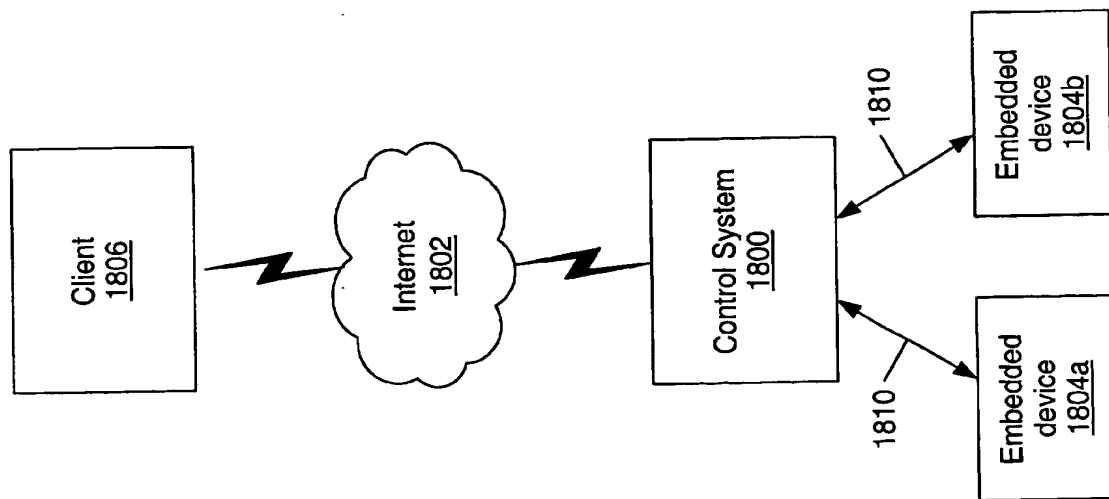


Fig. 40a

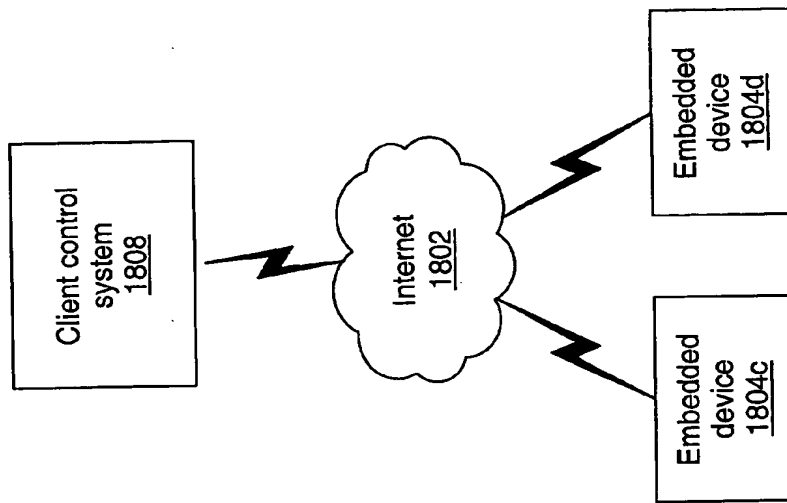


Fig. 40b

```

graph TD
    1900[Client accesses first space  
1900] --> 1902[Client or service requests creation of  
second space  
1902]
    1902 --> 1904[Second space is created using same XML  
schema and storage model as first space  
1904]
    1904 --> 1906[Client accesses second space  
1906]

```

FIG. 41

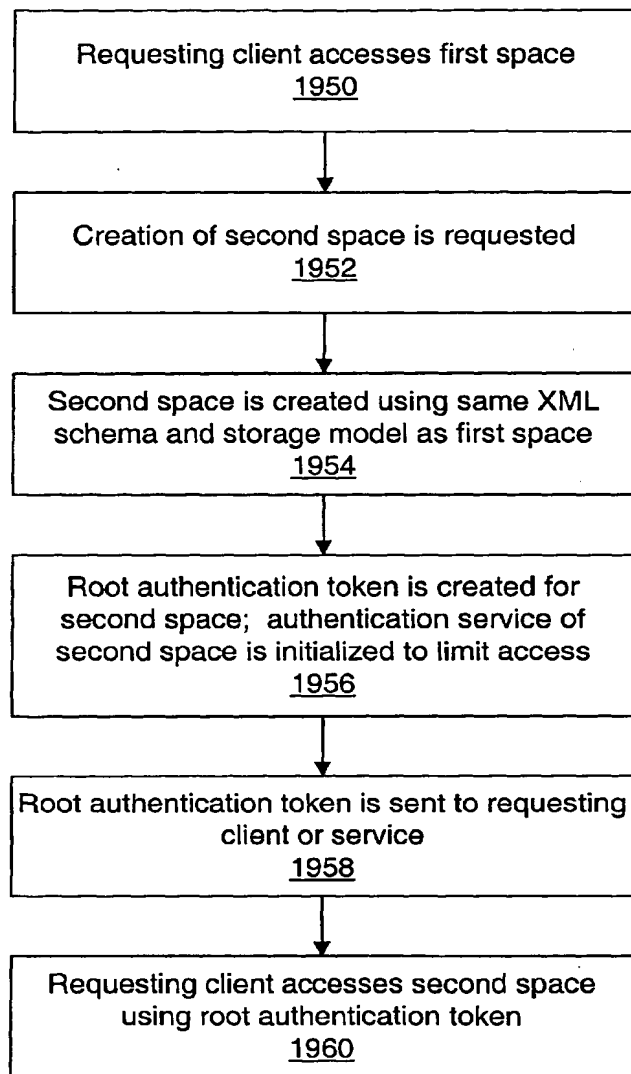


FIG. 42